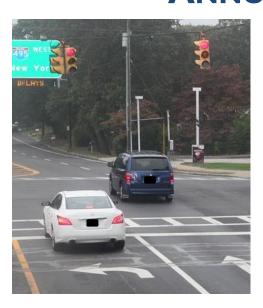


# SUFFOLK COUNTY RED LIGHT SAFETY PROGRAM 2010 CALENDAR YEAR ANNUAL REPORT







SUFFOLK STOPS ON RED



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#### REPORT PREPARED BY:

Suffolk County Red Light Safety Program
Suffolk County Department of Public Works

#### **ISSUED:**

January, 2012

#### SUFFOLK COUNTY RED LIGHT SAFETY PROGRAM ~ 2010 ANNUAL REPORT

#### I. Introduction & Purpose of This Report

Suffolk County's Red Light Safety Program was authorized by New York State Vehicle & Traffic Law § 1111-b, enacted in May of 2009 and Suffolk County Local Law 20-2009, which went into effect June 30, 2009. The authorizing legislation permits the installation of red light cameras at up to 50 intersections in Suffolk County, and is a 5-year pilot program which ends on December 1, 2014.

Suffolk County's Red Light Safety Program is focused on changing driver behavior at signalized intersections through a comprehensive effort involving engineering, education and enforcement. The Suffolk County Red Light Safety Program uses automated enforcement to enhance the safety of motorists at signalized intersections within Suffolk County.

The New York State legislation which authorized the installation of red light cameras requires the County to issue an annual report which provides detailed information regarding program operations. This is Suffolk County's first annual report, which will reflect data for the calendar year 2010. This report represents program operations from the first day red light citations were issued, July 15, 2010 through December 31, 2010. Note that although the State law required the first report be filed by June of 2010, the County was prevented from preparing such a report because no citations were issued until July of 2010, and the information required in the report did not exist.

As required by State legislation, this report will address the following:

- 1. A description of the locations where traffic-control signal photo violation-monitoring systems were used;
- 2. The aggregate number, type and severity of accidents reported at intersections where a traffic-control signal photo violation-monitoring system is used for the year preceding the installation of such system, to the extent the information is maintained by the department of motor vehicles of this state;
- 3. The aggregate number, type and severity of accidents reported at intersections where a traffic-control signal photo violation-monitoring system is used, to the extent the information is maintained by the department of motor vehicles of this state;
- 4. The number of violations recorded at each intersection where a traffic-control signal photo violation-monitoring system is used and in the aggregate on a daily, weekly and monthly basis;
- 5. The total number of notices of liability issued for violations recorded by such systems;
- 6. The number of fines and total amount of fines paid after first notice of liability;
- 7. The number of violations adjudicated and results of such adjudications including breakdowns of disposition made for violations recorded by such systems;
- 8. The total amount of revenue realized by such county;

#### SUFFOLK COUNTY RED LIGHT SAFETY PROGRAM ~ 2010 ANNUAL REPORT

- 9. Expenses incurred by such county in connection with the program; and
- 10. Quality of the adjudication process and its results.

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#### II. RED LIGHT CAMERA LOCATIONS

Intersections for red light camera installations were selected by Suffolk County Department of Public Works based upon a variety of factors, most importantly the analysis of crash data available from the New York State Department of Transportation and consideration of where red light cameras would yield the highest safety results. All signals selected are NYSDOT owned and maintained.

Suffolk's first two red light cameras started to record issuable red light events on July 15, 2010. In total, 100 cameras are now in operation at 50 intersections. For the time period between July 15, 2010 and December 31, 2010, the following 59 cameras were recording red light violations, listed in the order of date operational:

	Suffolk Col	JNTY RED LIGHT CA	MERA <b>L</b> OCA	ATIONS OPERAT	IONAL - <b>2010</b>	
	Enforcement Street	Cross Street	Direction	Hamlet	Start Date for Recording Violations	Location Code
1	CR 93 (Ocean Ave)	1495S	NB	Ronkonkoma	7/15/2010	101
2	I495S	CR 93 (Ocean Ave)	EB	Ronkonkoma	7/15/2010	103
3	NY454	CR 100 (Suffolk Ave)	NB	Islandia	8/17/2010	621
4	Ronkonkoma Ave	1495N	SB	Ronkonkoma	8/18/2010	112
5	1495N	Ronkonkoma Ave	WB	Ronkonkoma	8/18/2010	114
6	NY454	CR 100 (Suffolk Ave)	SB	Islandia	8/18/2010	622
7	CR 67 (Motor Pkwy)	NY454	WB	Hauppauge	8/19/2010	474
8	NY454	CR 67 (Motor Pkwy)	SB	Hauppauge	8/20/2010	472
9	CR 67 (Motor Pkwy)	NY454	EB	Hauppauge	8/20/2010	473
10	NY454	CR 67 (Motor Pkwy)	NB	Hauppauge	8/23/2010	471
11	1495N (Exit 57)	CR 67 (Motor Pkwy)	WB	Hauppauge	9/21/2010	14
12	NY27N	CR112 (Johnson Ave)	WB	Bohemia	9/21/2010	74
13	NY111	I495S	NB	Hauppauge	9/25/2010	151



#### SUFFOLK COUNTY RED LIGHT CAMERA LOCATIONS OPERATIONAL - 2010 Start Date for **Enforcement** Recording Location Street **Cross Street Direction Violations** Code **Hamlet** 14 1495N CR 93 (Ocean Ave) WB Patchogue 9/25/2010 184 15 NY27N NY112 WB Bohemia 9/30/2010 424 16 NY27S CR 112 (Johnson Ave) ΕB Bohemia 9/26/2010 453 17 NY112 NY27N SB Bohemia 9/30/2010 422 18 1495N Old Nichols Rd WB Islandia 10/2/2010 144 19 NY25 Pidgeon Hill Rd WB Huntington 10/4/2010 94 20 CR 112 (Johnson Ave) NY27N SB Bohemia 10/12/2010 72 21 EΒ NY25 Holbrook Rd Centereach 10/18/2010 343 22 NY25 Holbrook Rd WB Centereach 10/18/2010 344 23 CR 67 (Motor Parkway) 12 1495N (Exit 57) SB Hauppauge 10/19/2010 24 Old Nichols Rd 1495N SB Islandia 10/19/2010 142 25 CR 93 (Ocean Ave) 1495N SB Ronkonkoma 10/19/2010 182 26 NB 451 CR 112 (Johnson Ave) NY27S **Bohemia** 10/19/2010 27 1495N CR 4 (Commack Rd) SB Commack 10/22/2010 52 28 NY25 Pidgeon Hill Rd EΒ Huntington 10/22/2010 93 29 NY25 Eastwood Blvd EΒ Centereach 10/22/2010 123 30 NY25 Eastwood Blvd WB Centereach 10/22/2010 124 31 CR 97 (Nicholls Rd) NY347 NB Setauket 10/31/2010 161 32 NY347 SB Setauket 10/31/2010 162 CR 97 (Nicholls Rd) 33 NY347 CR 97 (Nicholls Rd) EΒ Setauket 10/31/2010 163 34 NY347 CR 97 (Nicholls Rd) WB Setauket 11/16/2010 164 35 1495 (LIE SSR) NY112 EΒ Medford 11/10/2010 733 36 CR 67 (Motor Pkwy) NB 1495S (Exit 57) 11/5/2010 211 Hauppauge 37 CR 47 (Great Neck Rd) NB N. Amityville 11/24/2010 391 NY110 38 1495N CR4 (Commack Rd) WB Commack 11/13/2010 54 39 NY109 CR 28 (New Hwy) EΒ Lindenhurst 11/20/2010 223 40 1495S NY111 ΕB Hauppauge 11/18/2010 153 41 SB 392 NY110 CR 47 (Great Neck Rd) Lindenhurst 11/17/2010



#### SUFFOLK COUNTY RED LIGHT CAMERA LOCATIONS OPERATIONAL - 2010 **Start Date** for **Enforcement** Recording Location **Street Cross Street Direction Hamlet Violations** Code 42 NY112 1495N SB Medford 11/2/2010 742 43 NY112 1495 (LIE SSR) NB Medford 11/10/2010 731 44 NY25 Marshall Dr/Paula Blvd ΕB Selden 12/6/2010 443 45 NY25 Marshall Dr/Paula Blvd WB Selden 444 12/6/2010 46 NY25 WB Selden 12/7/2010 174 Boyle Rd 47 NY25 **CR 83** WB Selden 12/6/2010 304 48 NY25 **CR 83** EΒ Selden 12/7/2010 303 49 **CR 83** NY25 SB Selden 302 12/7/2010 50 NY25 Boyle Rd EΒ Selden 12/8/2010 173 51 1495S (Exit 57) CR 67 (Motor Pkwy) ΕB Hauppauge 12/16/2010 213 52 1495N NY112 WB Medford 12/8/2010 744 53 CR 47 (Great Neck Rd) N. Amityville 12/17/2010 394 NY110 WB 54 CR 28 (New Hwy) NY109 NB Lindenhurst 221 12/17/2010 55 WB 834 NY347 Stony Brook Rd Stony Brook 12/18/2010 56 **CR 83** NY25 NB Selden 12/7/2010 301 57 NY109 CR 28 (New Hwy) WB Lindenhurst 12/22/2010 224 58 NY347 NY25 SB Lake Grove 12/21/2010 822

59

NY25

NY347

WB

Lake Grove

12/21/2010

824

#### SUFFOLK COUNTY RED LIGHT SAFETY PROGRAM ~ 2010 ANNUAL REPORT

#### III. ACCIDENT DATA

#### **Introduction**

Although Suffolk County's Red Light Camera program consists of 50 intersections, the accident analysis included in this report depicts only the 25 intersections that were constructed in the year 2010. The accident data was requested from the NYSDOT for the time period of May 2009 to the present time. The reports received were from the NYSSDMV Accident Location Information System (ALIS) and included Accident Verbal Description Reports from May 1, 2009 to January 31, 2011.

#### Methodology

The pre-construction red light camera accident analysis consisted of examining all the accident data for each intersection from the red light camera start date of violation recordings to a 12 month period prior to this date. For example if the red light camera at a specific intersection started to record violations on July 15, 2010, pre-construction accident data was analyzed from July 15, 2009 to July 14, 2010. It should be noted that the pre-construction analysis for each of the 25 intersections will represent a different 12 month period.

The post-construction red light camera analysis included examining all the accident data from the start date of recording violations to December 31, 2010 for each camera. Intersections that were recording violations for less than 30 days were excluded from the analysis due to the short time period.

The summary tables include the total number of reported accidents and a total for non-reportable accidents. Non-reportable accidents are defined as accidents with less than \$1,000 in total property damages. These accidents are not included in the accident summary breakdowns because pertinent information that would be required in our statistical analysis may be unavailable. Intersections for both pre-construction and post-construction were analyzed and summarized based on both 'Type of Collision' and 'Severity'. This breakdown will help assist in determining the exact impact the red light camera program had in type and severity of accidents. The accident summary for type of collision included the following breakdown; right angle, rear end, left turn, right turn, head on, fixed object, pedestrian/bicycle, over-taking, backing and other or unknown. The accident summary for severity included a breakdown of accidents by property damage, injury and fatality.

#### **Findings**

This report covers the initial start-up phase of the program's implementation, a period of less than six months. New red light camera violation systems were being constructed and added to the program each month over the course of this limited timeframe, with less than 25% of the scheduled systems in operation by the end this reporting period. At this time there is insufficient information to provide for a meaningful statistical analysis to determine the impact the implementation of the red light

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camera violation system has had on traffic safety. Only one intersection was operational for approximately 6 months, while 3 intersections were operating for approximately 4 months, 9 intersections for less than 3 months, 4 intersections for approximately 2 months and 8 intersections for less than a full month. A full 12 month period of post construction data should be collected prior to forming a conclusion of the impact of the red light camera violation system. Without a full 12 months of data, anomalies due to weather, construction and special events may affect the outcome of the results and depict an irregularity in the conclusions drawn from the analysis. Future reports will be able to provide a more detailed analysis of the RLC program.

Detailed accident statistics available for the time period are attached in Appendix A.

#### IV. NOTICES OF LIABILITY ISSUED

The following table indicates the number of citations issued by intersection in 2010, and provides annual totals for each intersection.

		Y RED LIGHT SAFETY PROJECT IN 2010 BY INTERSE	
	Intersection	Hamlet	2010 Citations Issued
1	CR 93 (Ocean Ave) & I495S	Ronkonkoma	10,799
2	NY 454 & CR 100 (Suffolk Ave)	Ronkonkoma	4,938
3	Ronkonkoma Ave & I 495S	Ronkonkoma	5,096
4	CR 67 (Motor Pkwy) & NY 454	Hauppauge	959
5	CR 67 (Motor Parkway) & I495 N (Exit 57)	Hauppauge	3,122
6	NY27N & CR112 (Johnson Ave)	Bohemia	2,662
7	NY111 & I495S	Hauppauge	2,164
8	1495 & CR 93 (Ocean Ave)	Patchogue	906
9	NY27 & NY112	Bohemia	2,696
10	NY27 & CR 112 (Johnson Ave)	Bohemia	869
11	I495 & Old Nichols Rd	Islandia	3,438
12	NY25 & Pidgeon Hill Rd	Huntington	1,837
13	NY25 & Holbrook Rd	Centereach	990
14	I495 & CR 4 (Commack Rd)	Commack	2,639
15	NY25 & Eastwood Blvd	Centereach	1,106



		Y RED LIGHT SAFETY PROJECT IN 2010 BY INTERSE	
	Intersection	Hamlet	2010 Citations Issued
16	NY347 & CR 97 (Nicholls Rd)	Setauket	4,580
17	I495 & NY112	Medford	1,752
18	1495S (Exit 57) & CR 67 (Motor Pkwy)	Hauppauge	995
19	NY110 & CR 47 (Great Neck Rd)	N. Amityville	2,158
20	NY109 & CR 28 (New Hwy)	Lindenhurst	179
21	NY25 & Marshall Dr/Paula Blvd	Selden	728
22	NY25 & Boyle Rd	Selden	629
23	NY25 & CR 83	Selden	408
24	NY347 & NY25	Lake Grove	253
25	NY347 & Stony Brook Rd	Stony Brook	226

In summary, 56,129 citations were issued at red light camera intersections in 2010. This represents an average of 330 per day, 2,310 per week and 10,250 per month.

#### V. RED LIGHT CAMERA PROGRAM REVENUES & EXPENDITURES

Suffolk County's Red Light Safety Program was structured so that County taxpayers would assume no financial risk to operate the program. All fines and fees generated by the issuance of citations are deposited directly into a Suffolk County Treasurer account and are credited to the County's General Fund. The vendor provides a monthly invoice to the County based on the number of citations paid and contractual requirements, which are funded by the revenues received.

The first payments for red light citations were received by Suffolk County in August of 2010. In 2010, a total of \$2,136,716 in program related revenues were received by the County, and the red light camera vendor was paid a total of \$727,213.

The vendor has invested approximately \$10 million for the capital and operating costs associated with the program. Suffolk County has expended no funds, with the exception of some minor staff costs to issue citations and adjudicate cases.

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#### VI. ADJUDICATION RESULTS

Suffolk County was the only county in New York State to have a red light safety program without having an existing traffic violations bureau to adjudicate not-guilty pleas. Originally, the New York State Traffic Violations Bureau was to adjudicate Suffolk's red light camera cases, however the State declined taking on a new caseload, therefore another adjudication forum had to be identified.

A new part in Suffolk County First District Court in Central Islip was created in 2010 to adjudicate red light cases. To establish the new part, renovations were required at District Court to provide a new payment window for citations, red light citation video viewing stations were set up in a public access area and equipment was acquired to view videos in the court rooms. The Suffolk County Attorney's Office prosecutes the cases, which are heard by either Judicial Hearing Officers or Judges in District Court.

In 2010, two red light citation court dates were held in December. Information regarding the disposition of cases from the first two hearing dates is shown below:

		LK COUNTY RED LIGHT		2040
	CASES ADJUDICA	ATED IN SUFFOLK COUN	ITY DISTRICT COURT -	2010
	# FOUND GUILTY	# Found		# DEFAULT JUDGMENTS
# DEFENDANTS	AT <b>T</b> RIAL	NOT GUILTY AT TRIAL	# FINE PAID	Ordered
48	4	1	35	8
% of Total	8%	2%	73%	17%

The quality of the adjudication process is high based on the following:

- The outcome of hearings has been overwhelmingly in favor of the County, indicating that the citations are being issued fairly and properly.
- Extending past the first court dates in 2010, less that 2% of individuals receiving red light citations have requested court hearings, almost half of those scheduled for court hearings pay the fine prior to court and a very small percentage have been found not-guilty in court.
- District Court provides an extraordinary high level of access to those wishing to protest their red light camera citations. The Court allows multiple motions to reschedule hearings, assuring everyone that wants to be heard in Court has the opportunity to do so.



# APPENDIX A ACCIDENT STATISTICS



		J	Suffolk County Bed Light Camera Accident Analysis 2010	Red Lie	ht Came	ra Ac	apio	t Anal	Veis 2	010							
		5		PRE-	PRE-CONSTRUCTION	UCTION	N N		20 1								
Intersection Information	nformation		(Accident Dat	ta from Star	(Accident Data from Start of Violation Recording Date to 1 Year Prior)	Recordi	ng Date t	o 1 Year		Type of Collision	ion				Accid	Accident Severity	rit
Intersection	Location	Start Date for Recording Violations	Hamlet	Number of Reported Accidents	Number of Non- Reportable	Right R	Rear End Le	Left Turn R	Right He	Head On Object	d Ped/ ct Bicycle	Over- Taking	Backing	Other/ Unknow n	Total Property Damage	Total Injury	Total Fatal
LIE 495 SSR at Ocean Ave.	0103	07.15.2010	Ronkonkoma	∞	Accidents 1	1	3							4	4	4	
NY 454 at CR 100 (Suffolk Ave.)	0622	08.18.2010	Ronkonkoma	12			2	1			2			4	4	∞	
LIE 495 NSR at Ronkonkoma Ave	0114	08.18.2010	Ronkonkoma	10	1	2	6		П					1	4	9	
NY 454 at CR 67(Motor Parkway)	0471	08.23.2010	Hauppauge	11		2	3	2	н			н		2	9	2	
CR 67 (Motor Pkwy) at LIE NSR (Exit 57)	0012	10.19.2010	Hauppauge	41		15	9		1	1		9		12	17	24	
NYS 27 NSR at NYS 112	0424	09.30.2010	Bohemia	8		3	1	1			1	1		1	1	2	
NY27N at CR112 Johnson Ave	0074	9.21.2010	Bohemia	7		Н	2							4	2	7	
NYS 25 at Holbrook Road	0344	10.18.2010	Centereach	6			2	2				2		3	7	2	
LIE 495 NSR at Ocean Ave	0184	9.25.2010	Patchogue	16	1	9	4	1	н			н		3	6	2	
NYS 27 SSR at CR 112 (Johnson Ave.)	0453	9.26.2010	Bohemia	3		1	1							1	1	7	
Old Nichols Rd at LIE NSR	0142	10.19.2010	Islandia	13		5	1	1				1		2	9	4	
NYS 25 at Eastwood Boulevard	0124	10.22.2010	Centereach	10		1	3	1						5	8	2	
NYS 25 (Jericho Trnpk) at Pidgeon Hill	0094	10.4.2010	Huntington	10	1	4	2	1						3	7	8	
NYS 112 at LIE 495 SSR	0731	11.10.2010	Medford	7		1	3			1				2	4	8	
LIE 495 NSR. at CR 4 (Commack Road)	0054	11.13.2010	Commack	19	1	3	1	1				9		8	12	4	
Nicholls Road (CR 97) at NYS 347	0162	10.31.2010	Setauket	36	2	2	12	5				4		13	14	77	
NY 111 (Wheeler Rd) at LIE 495 SSR	0151	9.25.2010	Hauppauge	4	1	1				1				2	1	3	
NYS 25 at Marshall Drive /Paula Blvd	0444	12.06.2010	Selden	16	1	4	2	1			1			5	7	6	
NYS 25 at CR 83	0303	12.07.2010	Selden	19		1	14				2	1		1	10	6	
NYS 25 at Boyle Road	0174	12.07.2010	Selden	25	1	7	8	2		1				7	11	14	
CR 67 (Motor Pkwy) at LIE SSR (Exit 57)	0211	11.5.2010	Hauppauge	3	1									3	1	2	
CR 47 (Great East Neck Road) at NYS 110	0394	12.17.2010	N. Amityville	14	1	1	9				2	3		2	8	9	
NYS 347 at Stonybrook Road	0834	12.18.2010	Stony Brook	14		2	2	1				1		2	8	9	
NYS 347 at NYS 25	0822	12.21.2010	Lake Grove	21		1	9		1			2		11	17	4	
NYS 109 at CR 28, New Hwy	0224	12.22.2010	Lindenhurst	18		4	9	1	1			2		4	12	9	



			- 5		-				000								
			Surior	Surioik County ned Light Camera Accident Analysis 2010 POST-CONSTRUCTION	ed Light Camera Accide POST-CONSTRUCTION	JCTIO	N Sent	ındıys	18 201	<b>5</b>							
			(Acciden	(Accident Data from Violation Date to December 31, 2010, Min. 30 Days)	tion Date to Dece	ember 31	, 2010, N	/lin. 30 D	ays)								
Intersection Information	ıtion			Total	al		-	-		Туре	Type of Collision				Accide	Accident Severity	>
Intersection	Location Code	Start Date for Recording Violations	Hamlet	Number of Reported Accidents	Number of Non- Reportable Accidents	Right Angle	Rear End	Left R Turn 1	Right H Turn	Head Fix On Obj	Fixed Ped/ Object Bicycle	/ Over-	r- Backing	Other/ Unknown	Total Property Damage	Total Injury	Total Fatal
LIE 495 SSR at Ocean Ave.	0103	07.15.2010	Ronkonkoma	2			1							1	1	1	
NY 454 at CR 100 (Suffolk Ave.)	0621	08.18.2010	Ronkonkoma	4		1		1				1		1	1	3	
LIE 495 NSR at Ronkonkoma Ave	0112	08.18.2010	Ronkonkoma	3			1	1						1	2	1	
NY 454 at CR 67(Motor Parkway)	0471	08.23.2010	Hauppauge	3	1	1					1			1	1	1	1
CR 67 (Motor Pkwy) at UE NSR (Exit 57)	0012	10.19.2010	Hauppauge	3	1	2					1				2	1	
NYS 27 NSR at NYS 112	0571	09.30.2010	Bohemia	3	1		2							1	2	1	
NY27N at CR112 Johnson Ave	0074	9.21.2010	Bohemia	2		1					1				1	1	
NYS 25 at Holbrook Road	0344	10.18.2010	Centereach	1										1	1		
LIE 495 NSR at Ocean Ave	0184	9.25.2010	Patchogue	1			1								1		
NYS 27 SSR at CR 112 (Johnson Ave.)	0142	9.26.2010	Bohemia	0													
Old Nichols Rd at LIE NSR	0142	10.19.2010	Islandia	0													
NYS 25 at Eastwood Boulevard	0124	10.22.2010	Centereach	0													
NYS 25 (Jericho Trnpk) at Pidgeon Hill	0094	10.4.2010	Huntington	1			1								1		
NYS 112 at LIE 495 SSR	0731	11.10.2010	Medford	1			1									1	
LIE 495 NSR. at CR 4 (Commack Road)	0054	11.13.2010	Commack	2								1		1	1	1	
Nicholls Road (CR 97) at NYS 347	0162	10.31.2010	Setauket	3			3								2	1	
NY 111 (Wheeler Rd) at LIE 495 SSR	0153	9.25.2010	Hauppauge	0													
NYS 25 at Marshall Drive / Paula Blvd	0444	12.06.2010	uəpləS	N/A													
NYS 25 at CR 83	0301	12.07.2010	Selden	N/A													
NYS 25 at Boyle Road	0174	12.7.2010	Selden	N/A													
CR 67 (Motor Pkwy) at UE SSR (Exit 57)	0213	11.5.2010	Hauppauge	N/A													
CR 47 (Great East Neck Road) at NYS 110	0394	12.17.2010	N. Amityville	N/A													
NYS 347 at Stonybrook Road	0834	12.18.2010	Stony Brook	N/A													
NYS 347 at NYS 25	0822	12.21.2010	Lake Grove	N/A													
NYS 109 at CR 28, New Hwy	0224	12.22.2010	Lindenhurst	N/A													
N/A - Insufficient Data for Reporting Purposes (less than 30 days)	days)																